

CLAIMS

What is claimed is:

1-16 (Cancelled).

17. (Presently Amended) The method of claim ~~16~~ 25 wherein the writing the parameter location step comprises writing at least one member of a group consisting of a validating signature location, a size location, a storage location at which a data image starting location is stored, and a starting location.

18-21 (Cancelled).

22. (New) A method for generating a ROM image comprising at least one data image build comprising:

processing an input file to identify at least one data image for a ROM image build and to generate a token file comprising at least one token for the data image;

processing the data image with its associated token file to create the data image build;

generating a data image build validating signature for the data image build; writing the data image build and the data image build validating signature to the ROM image;

generating a ROM image validating signature for the ROM image; and

aligning the data image using a fill pattern and an alignment value prior to validating the data image.

23. (New) A method for generating a ROM image comprising at least one data image build comprising:

processing an input file to generate a token file with a first image identifier and a temporary token file with a second image identifier, the token file and the temporary token file each representing tokens for each data image identified in the input file;

comparing the token file with the temporary token file and, if the same,
generating a data image validating signature for each data image;
writing each data image and each data image validating signature to the ROM
image, and, thereafter, generating a separate ROM image validating
signature for the ROM image; and

aligning at least one data image using a fill pattern and an alignment value
prior to validating the data image.

24. (New) A method for generating a ROM image comprising at least one
data image build comprising:

processing an input file to generate a token file and a temporary token file, the
token file and the temporary token file each representing tokens for
each data image identified in the input file;

comparing the token file with the temporary token file and, if the same,
generating a data image validating signature for each data image;
writing each data image and each data image validating signature to the ROM
image, and, thereafter, generating a separate ROM image validating
signature for the ROM image; and

looping through each data image to compute a size of each data image, to
align each data image, if necessary, and to generate a validating
signature for each data image.

25. (New) A method for generating a ROM image comprising at least one
data image build comprising:

processing an input file to generate a token file and a temporary token file, the
token file and the temporary token file each representing tokens for
each data image identified in the input file;

comparing the token file with the temporary token file and, if the same,
generating a data image validating signature for each data image;

writing each data image and each data image validating signature to the ROM image, and, thereafter, generating a separate ROM image validating signature for the ROM image; and

looping through each byte in the ROM image and, if a location of the byte in the ROM image being processed is the same as a parameter location of a selected data image, writing the parameter location to the byte in the ROM image being processed.

26. (New) A method for generating a ROM image using inputs from an input file comprising:

identifying a plurality of data images to be placed in the ROM image based upon the inputs from the input file;

generating a data image validating signature for each data image with each associated input;

writing each data image and data image validating signature to a starting address of the ROM image, at least one starting address being dynamically allocated, and, thereafter, generating a ROM image validating signature for the ROM image;

transmitting the data images with the data image validating signatures and the ROM image validating signature to a memory for storage as the ROM image; and

aligning at least one of the data images using a fill pattern and an alignment value prior to generating the data image validating signature for the at least one data image.